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(54) **CELL BANDAGE**

(75) Inventors: **Anthony P. Hollander**, Bristol (GB);
Wa'el Z. Kafinah, Bristol (GB);
Ehsanollah Esfandiari, Harpendon
(GB); **John F. Tarlton**, Bristol (GB)

(73) Assignee: **The University of Bristol** (GB)

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See application file for complete search history.

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Primary Examiner — Ruth Davis

(74) *Attorney, Agent, or Firm* — Bryan D. Zerhusen;
Locke Lord LLP

(57) **ABSTRACT**

The invention provides a method for delivering cells across
the surface of a tissue, the method comprising distributing
the cells on and/or within a sheet of biomaterial to form a
cell bandage and applying the cell bandage to the surface,
wherein, after application of the cell bandage to the surface
of the tissue, the cells are released from the cell bandage.
Further provided is a method for bonding two or more
tissues, the method comprising providing a cell bandage in
intimate contact with the surfaces to be joined, wherein the
cell bandage comprises a sheet of biomaterial, said biomaterial
having cells distributed on and/or within it. Also
provided is a cell bandage for use in the methods of the
invention.

18 Claims, 16 Drawing Sheets